



Method and composition for increasing reproduction in mammalian and avian species.**Publication number:** EP0070016**Publication date:** 1983-01-19**Inventor:** GARDNER PETE DELOS (US); NEGUS NORMAN CURTISS (US); NEGUS PATRICIA JANE (US); SANDERS EDWARD HENRY (US)**Applicant:** UNIV UTAH (US)**Classification:****- international:** A61K31/05; A23K1/16; A61K31/047; A61K31/135; A61K31/165; A61K31/42; A61K31/423; A61K31/535; A61K31/536; A61K31/537; A61K31/538; A61P15/00; C07D263/58; C07D265/38; A61K31/045; A23K1/16; A61K31/135; A61K31/165; A61K31/42; A61K31/423; A61K31/535; A61K31/536; A61K31/5375; A61P15/00; C07D263/00; C07D265/00; (IPC1-7): A23K1/16**- European:** A23K1/16; A23K1/16F4**Application number:** EP19820106177 19820712**Priority number(s):** US19810282843 19810713**Also published as:** JP58077812 (A)
 BR8204048 (A)[Report a data error here](#)**Abstract of EP0070016**

Reproductive performance in mammalian and avian species is stimulated by administering an effective amount of one or more compounds of any of Formulas I, II or III, typically at the rate of 0.01 to 2 mg/kg/day: (I) a compound of the formula: <CHEM> wherein R represents C1-C4 alkoxy, with the proviso that R is in the 4 or 5 ring position, n represents the integers 0, 1 or 2, and A represents -OH, -NH₂ or NH@R min where R min represents C1-C4 alkyl, or physiologically acceptable salts thereof; (II) a compound of the formula: <CHEM> wherein R represents C1-C4 alkoxy, with the proviso that R is in the 5 or 6 ring position, and n represents one of the integers 0, 1 or 2; and (III) a compound of the formula: <CHEM> wherein R represents C1-C4 alkoxy, with the proviso that R is in the 6 or 7 ring position, and n represent one of the integers 0, 1 or 2; or physiologically acceptable salts thereof. The active compounds are incorporated in novel feed concentrates and feed compositions or parenteral dosage forms or implants utilized according to the recited method.

Data supplied from the esp@cenet database - Worldwide

(18)



Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number:

0 070 016
A1

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 82106177.7

(51) Int. Cl.³: A 23 K 1/16

(22) Date of filing: 12.07.82

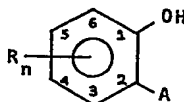
(30) Priority: 13.07.81 US 282843

(43) Date of publication of application:
19.01.83 Bulletin 83/3(84) Designated Contracting States:
BE CH DE FR GB IT LI NL SE(71) Applicant: THE UNIVERSITY OF UTAH
201 Biology Building
Salt Lake City Utah 84112(US)(72) Inventor: Gardner, Pete Delos
2200 S. 2300E
Salt Lake City Utah 84109(US)(72) Inventor: Negus, Norman Curtiss
1960 Alla Panna Way
Sandy Utah 84029(US)(72) Inventor: Negus, Patricia Jane
1960 Alla Panna Way
Sandy Utah 84029(US)(72) Inventor: Sanders, Edward Henry
130 South 500 East Apt, 203
Salt Lake City Utah 84115(US)(74) Representative: Casalonga, Axel et al,
BUREAU D.A. CASALONGA OFFICE JOSSE & PETIT
Baaderstrasse 12-14
D-8000 München 5(DE)

(54) Method and composition for increasing reproduction in mammalian and avian species.

(57) Reproductive performance in mammalian and avian species is stimulated by administering an effective amount of one or more compounds of any of Formulas I, II or III, typically at the rate of 0.01 to 2 mg/kg/day:

(I) a compound of the formula:

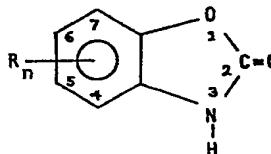


wherein

R represents C₁-C₄ alkoxy, with the proviso that R is in the 4 or 5 ring position,
n represents the integers 0, 1 or 2, and
A represents -OH, -NH₂ or



where R' represents C₁-C₄ alkyl,
or physiologically acceptable salts thereof;
(II) a compound of the formula:

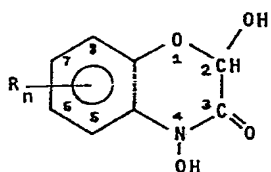


wherein

R represents C₁-C₄ alkoxy, with the proviso that R is in the 5 or 6 ring position, and
n represents one of the integers 0, 1 or 2;
and

(III) a compound of the formula:

EP 0 070 016 A1



wherein

R represents C₁-C₄ alkoxy, with the proviso that R is in the 6 or 7 ring position, and

n represents one of the integers 0, 1 or 2;
or physiologically acceptable salts thereof.

The active compounds are incorporated in novel feed concentrates and feed compositions or parenteral dosage forms or implants utilized according to the recited method.